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COLLEGE OF AGRICULTURE

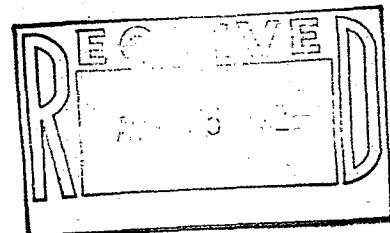
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MUSCLE BIOLOGY GROUP
SHANTZ BUILDING

August 1993

July 31, 1992

Harmon C. McAllister, Ph.D.
Research Director
Council For Tobacco Research
900 Third Ave.
New York, NY 10022



Dear Dr. McAllister,

In August 1993 the XXXII International Union of Physiological Sciences (IUPS) will be held in Glasgow, Scotland. This is a major international congress and is a mecca for investigators around the world interested in the broad discipline of physiological sciences. The congress will consist of a series of symposia, many linked over the week-long period within unifying themes. In our case the theme is "Muscle" and Drs. H. Kuriyama (Dept. of Pharmacology, Kyushu Univ., Japan) A. P. Somlyo (Dept. of Physiology, Univ. of Virginia) and myself have been asked by the central IUPS committee to organize a symposium on Smooth Muscle. We have received commitments from leading scientists (see attached list) to attend this meeting, and we respectfully solicit your help to defray partially the incurred expenses.

We believe that this congress is a major event in the scientific calendar and we itemize below some of the reasons for our enthusiasm:

1) Attendance. The IUPS congress is held every three years. The scientific program of the XXXII congress has been organized in an entirely new way. There are no authorized satellite meetings in 1993 and the attendance at the 93 meeting is expected to be considerably larger than in the past. Between 6,000 and 7,000 scientists are predicted. Based on the membership of the American Physiological Society about 35% are MD's (in Europe this percentage is higher). Thus we expect an audience interested in both basic science and clinical application.

2) Integrated Symposia. Over the entire 5 day period of the congress there are organized symposia within the theme "Muscle". This includes the mechanism of cross-bridge action in skeletal and cardiac muscle, molecular aspects of excitation-contraction coupling and sessions devoted to recent advances in Smooth and Cardiac Muscle. This is the core of the muscle theme, but there are several symposia with related interests. For example: structure and properties of ion channels and specifically, calcium channels; channel modulation by G-proteins; mechanisms of vasodilation; and airway smooth muscle. Thus the congress offers a comprehensive and unique learning experience with each aspect presented by leading authorities of each discipline.

3) Broad Program. In addition to the oral presentations (by invited speakers) there will also be poster presentations. Posters are given a very high profile. They will be presented in the same building as the symposia and dovetailed to fit individual symposium topics. The titles of abstracts will be sent to the organizers of the symposia and any exciting new developments can be selected for oral

presentation. This allows the organizers to cover new fields and also provides a mechanism to include more junior investigators in the formal sessions.

4) Smooth Muscle Symposium. With respect to our Symposium we have chosen topics that represent rapidly-moving areas and also fit into the overall integrated format. Areas to be covered include: membrane channels (K^+ and Ca^{2+}); ion pumps; regulation of internal Ca^{2+} concentrations; second messenger systems and their integration with the contractile apparatus; aspects of cross-bridge cycling and energetics; regulatory mechanisms and the roles of myosin phosphorylation and thin filament regulation; and the application of molecular biology to smooth muscle research. To our knowledge this is the only major meeting on Smooth Muscle to be held in 1993.

FUNDS

We have estimated that the expenses of the invited speakers will be about \$50,000 (including airfares, registration and lodging). Applications will be submitted to the National agencies, N.I.H., M.D.A. etc. but with the present funding problems we are not optimistic that more than 25% will be raised from these sources. In addition, many individual research grants have been subjected to 10-20% cuts in approved funding levels and this severely restricts accessible travel funds. For these reasons we need financial help to support the IUPS Smooth Muscle Symposium.

The funds that we request are to defray invited speakers expenses and also to provide partial support for young investigators. We would like to be able to allocate 10 young investigator travel awards, each of \$500. Minorities will receive special consideration.

We respectfully solicit your help to support this meeting. If you have any questions, or suggestions, please do not hesitate to contact either myself or Dr. A. P. Somlyo.

Thank you for your consideration.

Sincerely,



David J. Hartshorne, Professor
Departments of Biochemistry,
Physiology and Animal Sciences

P.S. Checks should be annotated "University of Arizona, IUPS" and sent to Dr. D. J. Hartshorne,

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